

AMENDMENT TO THE CLAIMS:

1. (Currently Amended) An optical fiber grating part comprising:
an elongated pedestal, and
a base plate installed on said pedestal, and having a different coefficient of liner thermal expansion from said pedestal, and
an optical fiber passing through said pedestal, and connected to connection points installed on said pedestal or said base plate located apart from each other in the longitudinal direction of said pedestal, and having an optical fiber grating located between said connection points,

wherein a predetermined tensile force is added to said optical fiber grating, and said pedestal and said base plates thermally expand or thermally shrink independently in the longitudinal direction of said pedestal, and

an extension line of an axis of said optical fiber joining said connection points passes through a contact surface between said pedestal and said base plate.

2. (Currently Amended) An optical fiber grating part comprising:
an elongated pedestal, and
a base plate installed on said pedestal, and having a different coefficient of liner thermal expansion from said pedestal, and
an optical fiber passing through said pedestal, and connected to connection points installed on said pedestal or said base plate located apart from each other in the longitudinal direction of said pedestal, and having an optical fiber grating located between said connection points,

wherein a predetermined tensile force is added to said optical fiber grating, and
said pedestal and said base plates thermally expand or thermally shrink independently in the longitudinal direction of said pedestal, and

an offset distance between said connection point and a contact surface of said pedestal and said base plate is minimized.

3. (Currently Amended) The optical fiber grating part as claimed in claim 1 ~~or 2~~, wherein a pair of said base plates are installed apart from each other in the longitudinal direction of said pedestal and each said base plate has said connection points respectively.

4. (Currently Amended) The optical fiber grating part as claimed in ~~any one of~~ claim 1 ~~to 3~~,

wherein a dimension of said connection part is 1.0015 times or more larger than that of said connection concavity in the longitudinal direction of said pedestal.

5. (Currently Amended) The optical fiber grating part as claimed in ~~any one of~~ claim 1 ~~to 3~~,

wherein said connection part is assembled with said connection concavity with press fitting.

6. (Currently Amended) The optical fiber grating part as claimed in ~~any one of~~ claim 1 ~~to 3~~,

wherein said connection part is assembled with said connection concavity with freeze fitting.

7. (Currently Amended) The optical fiber grating part as claimed in ~~any one of~~ claim 1 ~~to 3~~,

wherein said pedestal is made of the inber and said base plate is made of aluminum.

8. (New) The optical fiber grating part as claimed in claim 2, wherein a pair of said base plates are installed apart from each other in the longitudinal direction of said pedestal and each said base plate has said connection points respectively.

9. (New) The optical fiber grating part as claimed in claim 2, wherein a dimension of said connection part is 1.0015 times or more larger than that of said connection concavity in the longitudinal direction of said pedestal.

10. (New) The optical fiber grating part as claimed in claim 2, wherein said connection part is assembled with said connection concavity with press fitting.

11. (New) The optical fiber grating part as claimed in claim 2,
wherein said connection part is assembled with said connection concavity with
freeze fitting.

12. (New) The optical fiber grating part as claimed in claim 2,
wherein said pedestal is made of the inber and said base plate is made of
aluminum.